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Attachment to [REDACTED]

1 May 1966

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REFERENCE: [REDACTED] HEN HOUSE ANTENNA (RADAR SITE 1)  
SARY-SHAGAN ANTIMISSILE TEST CENTER, USSR

1. SIGNIFICANCE: FIRST LARGE-SCALE KH-7 PHOTOGRAPHY REVEALS DETAILS OF THE HEN HOUSE ANTENNA AND PERMITS DETERMINATION OF THE CONFIGURATION AND DIMENSIONS OF THE ADJACENT VERTICAL SCREEN.
2. REMARKS: THE HEN HOUSE IS CONSIDERED THE R & D FACILITY FOR THE 20 DEPLOYED HEN HOUSE ANTENNAS OBSERVED AT FOUR LOCATIONS IN THE USSR: SARY-SHAGAN "SITE 13", ANGARSK, OLENEGORSK, AND SKRUNDA. THE DEPLOYED FACILITIES RESEMBLE THE R & D FACILITY EXCEPT THAT THEY HAVE NO ADJACENT VERTICAL SCREEN AND ARE BEING BUILT IN DUAL PATTERNS WITH TWO ANTENNA BUILDINGS ON OPPOSITE SIDES OF THE CONTROL BUILDING.
3. LOCATION: 3 NM WSW OF THE MAIN SUPPORT BASE AT THE SARY-SHAGAN ANTIMISSILE TEST CENTER (SSATC).

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GROUP 1  
Excluded from automatic  
downgrading and declassification

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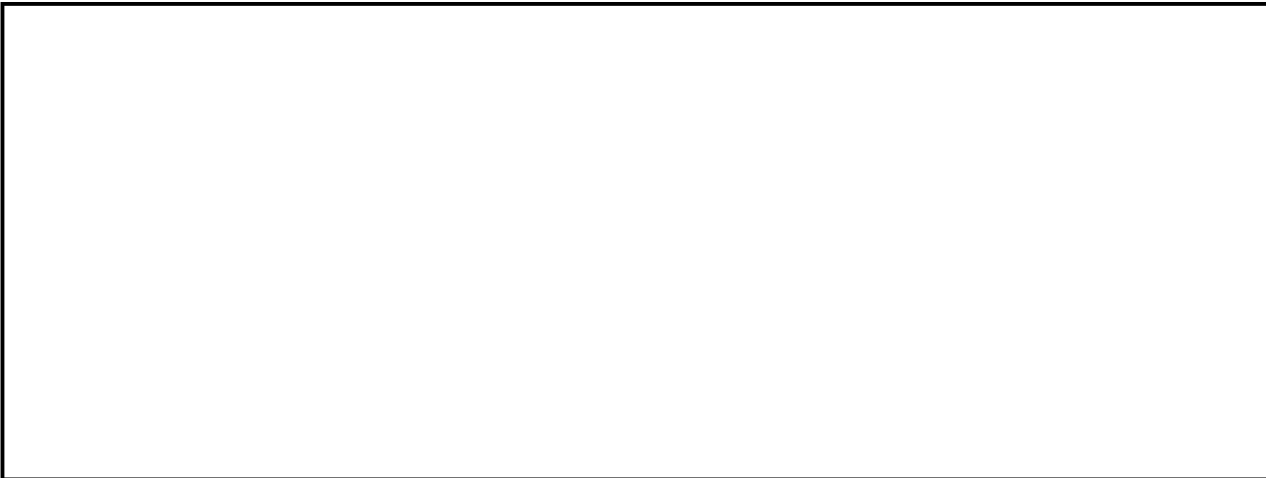
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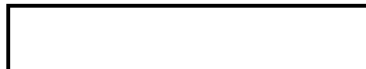
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5. FIRST IDENTIFICATION:



6. NEGATION DATE:

NONE

7. SUBSEQUENT COVERAGE:

33 KH-4 MISSIONS.

8. DIMENSIONS/  
SPECIFICATIONS:

CONTROL BUILDING:

425 X 65 X 40/55 FT HIGH

ANTENNA BUILDING:

915 FT LONG

VERTICAL SCREEN:

245 FT WIDE AND 75 FT HIGH,

WITH A  THICKNESS AT THE  
TOP.

TRIANGULAR, PANELED DECK:

ELEVATION:



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BASE WIDTH: 245 FT

APEX WIDTH: 85 FT

DISTANCE BETWEEN BASE AND APEX: 195 FT

(ALL MEASUREMENTS ARE APPROXIMATE).

9. MISSION READOUT: THIS MISSION REVEALS THAT WORK CONTINUES ON THE REAR ROOF-SLOPE OF THE ANTENNA BUILDING. TWENTY-THREE WINDOW-LIKE AREAS CAN BE SEEN FOR THE FIRST TIME ALONG THE REAR WALL OF THE BUILDING. THE ANTENNA FACE IS NOT VISIBLE. NO CHANGE IS OBSERVED IN THE CONTROL BUILDING.

THIS MISSION PROVIDES THE FIRST LARGE-SCALE COVERAGE OF THE VERTICAL SCREEN, WHICH APPARENTLY HAS NO CURVATURE IN THE HORIZONTAL PLANE. THE SCREEN DOES NOT APPEAR TO LINE UP WITH THE SOUTHERN EXTREMITY OF THE PANELED, TRIANGULAR DECK AS WAS ORIGINALLY THOUGHT, BUT IS OFFSET SLIGHTLY TO THE NORTH. SIX BASIC STRUCTURAL SUPPORTS ARE DISCERNIBLE ALONG THE EAST SIDE OF THE SCREEN, AND PROBABLE LIGHTNING ARRESTERS ARE LOCATED JUST NORTH AND SOUTH OF THE SCREEN.

A BUILDING, 75 X 45 X  HIGH, IS CONNECTED TO THE APEX OF THE PANELED, HORIZONTAL, TRIANGULAR DECK BY TWO PARALLEL CONDUITS APPROXIMATELY 35 FT LONG.

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A SMALL, LOW UNIDENTIFIED FACILITY IS 55 FT WEST OF THIS BUILD-  
ING; A SECOND SMALL UNIDENTIFIED FACILITY IS 120 FT SOUTH OF THE FIRST.

NO SIGNIFICANT CHANGE IS OBSERVED IN THE SUPPORT AREA, WHICH CON-  
SISTS OF APPROXIMATELY 30 BUILDINGS, LARGELY BARRACKS AND WAREHOUSES.

A PROBABLE MICROWAVE TOWER CAN NOW BE IDENTIFIED IN A SMALL SE-  
CURED AREA JUST EAST OF THE MAIN SUPPORT AREA.

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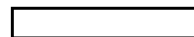
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**HEN HOUSE ANTENNA (RADAR SITE 1)**  
**SARY-SHAGAN ANTIMISSILE TEST CENTER, USSR**  
**45-59N 73-39E**



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